

Title (en)

BENZBISAZOLE COMPOUND AND OPTICAL RECORDING MEDIUM CONTAINING THE COMPOUND

Title (de)

BENZBISAZOLVERBINDUNG UND OPTISCHES AUFNAHMEMEDIUM DIE DIESE VERBINDUNG ENTHÄLT

Title (fr)

COMPOSE DE BENZBISAZOLE ET SUPPORT D'ENREGISTREMENT OPTIQUE LE CONTENANT

Publication

EP 1245571 A4 20030917 (EN)

Application

EP 01900258 A 20010105

Priority

- JP 0100015 W 20010105
- JP 2000001823 A 20000107

Abstract (en)

[origin: EP1245571A1] An optical recording medium having an organic dye layer as a recording layer on a substrate, wherein at least one benzobisazole-based compound represented by a general formula (1) is contained in the recording layer: <CHEM> (wherein substituents X and Y each independently represent an aryl group or a heteroaryl group, rings A and B each independently represent an oxazole ring or a thiazole ring, and Q<1> and Q<2> each independently represent a hydrogen atom, a halogen atom or an alkyl group, with a proviso that, aryl group(s) or heteroaryl group(s) represented by the substituents X and Y each independently may be substituted by a halogen atom, a hydroxyl group, a cyano group, an amino group or a substituted or unsubstituted alkyl, aralkyl, aryl, alkenyl, alkoxy, aralkyloxy, aryloxy, alkenyloxy, alkylthio, aralkylthio, arylthio, alkenylthio, mono-substituted amino, di-substituted amino, acyl, alkoxycarbonyl, aralkyloxycarbonyl, aryloxycarbonyl, alkenyloxycarbonyl, mono-substituted aminocarbonyl, di-substituted aminocarbonyl, acyloxy or heterocyclic ring group).

IPC 1-7

C07D 498/04; **C07D 513/04**; **C09K 11/06**; **G11B 7/00**

IPC 8 full level

C07D 498/04 (2006.01); **C07D 513/04** (2006.01); **C09B 57/00** (2006.01); **G11B 7/244** (2006.01); **G11B 7/246** (2013.01); **G11B 7/247** (2006.01); **G11B 7/2472** (2013.01); **G11B 7/249** (2013.01); **G11B 7/254** (2006.01); **G11B 7/2542** (2013.01); **G11B 7/258** (2006.01); **G11B 7/2585** (2013.01); **G11B 7/259** (2013.01)

CPC (source: EP KR US)

B41M 5/26 (2013.01 - KR); **C07D 513/04** (2013.01 - EP US); **C09B 57/00** (2013.01 - EP US); **G11B 7/244** (2013.01 - EP US); **G11B 7/246** (2013.01 - EP US); **G11B 7/2472** (2013.01 - EP US); **G11B 7/249** (2013.01 - EP US); **G11B 7/2542** (2013.01 - EP US); **G11B 7/2585** (2013.01 - EP US); **G11B 7/259** (2013.01 - EP US); **Y10S 430/146** (2013.01 - EP US)

Citation (search report)

- [A] EP 0903733 A2 19990324 - MITSUI CHEMICALS INC [JP], et al
- [A] EP 0860821 A2 19980826 - FUJI ELECTRIC CO LTD [JP]
- [A] US 5431977 A 19950711 - MIYADERA TOSHIYUKI [JP], et al
- See references of WO 0149508A1

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CN102459281A; WO2010120621A1

Designated contracting state (EPC)

AT BE CH CY DE FR GB LI NL

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EP 1245571 A1 20021002; **EP 1245571 A4 20030917**; CN 1224524 C 20051026; CN 1406182 A 20030326; CN 1636999 A 20050713; KR 100493634 B1 20050603; KR 20020071926 A 20020913; TW I232445 B 20050511; US 2003091931 A1 20030515; US 7094516 B2 20060822; WO 0149508 A1 20010712

DOCDB simple family (application)

EP 01900258 A 20010105; CN 01805771 A 20010105; CN 200410089855 A 20010105; JP 0100015 W 20010105; KR 20027008786 A 20020706; TW 90100251 A 20010105; US 16919702 A 20020628